

## Inspection Report (Rough Terrain Crane)

### General Info

B&B Stock Number	A6320266
Year	2000
Make	Terex
Model	RT160
Serial Number	160193
Hour Meter Reading	14,195 Hrs.
Previous Application (e.g., earth moving, mining, demolition, etc)	General Construction

### Dimensions

A. Length (ft and inches)	45'2"
B. Width (ft and inches)	9'8"
C. Height (ft and inches)	12'3"
D. Wheelbase (ft and inches)	12'3"
Operational Weight (lbs)	90,500 Lbs.

### Features and Configuration



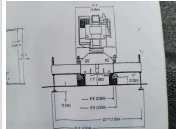
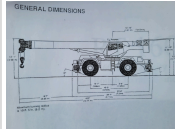
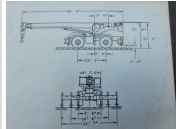
Control Station Type	Enclosed Cab
Travel System	Wheels & Tires
Heat	Yes
A/C	Yes
Radio	No
Backup Camera	No
Telematics	No
Load Movement Indicator (LMI)	Yes
LMI Make/Model	Greer
Boom Type	Hydraulic Telescoping
Jib?	Yes
Jib Model / Serial Number	Swing Jib
Jib Length (ft and inches)	38'
Crane Capacity (tn)	60 Ton
Max Reach (ft and inches)	TBD
Max Elevating Angle (degrees)	TBD
# Boom Sections	4
Winch System	Dual

## Inspection Report (Rough Terrain Crane)

Cable Size	3/4"
Compression Brake	Yes
Load Blocking System	Yes
Outriggers	Yes
Outrigger Configuration	4 Outriggers, Multi-Position Out & Down
OMM (Operator & Maintenance Manual)	Yes

### OMM Specifications











### OMM Specifications

Detail Specifications	Take photos of the detailed spec pages included in the operator's manual				
OMM Spec Photos					

### Exterior 360 Walkaround

### 360 Walkaround & Operating Video


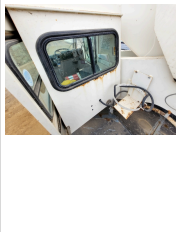
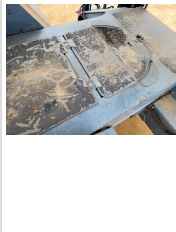
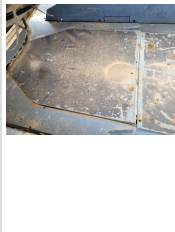
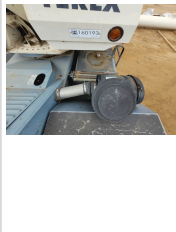
### Walkaround Photos & Operating Video

Exterior Walkaround Photos					
					
Operating Video	<a href="#">Click to Download</a>				
Additional Video	<a href="#">Click to Download</a>				
Additional Video	<a href="#">Click to Download</a>				

### General Appearance Inspection Points

### General Appearance

### General Appearance Photos

Close-up Exterior Photos					
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## Inspection Report (Rough Terrain Crane)

					
					
		Ladder slightly bent			

## General Appearance Inspection Points




















Inspection Rating Criteria	Rating Scale	Explanation
	1 - Service Required	Requires immediate repairs to function as expected.
	2 - Above Average Wear & Tear	Exhibits greater wear than expected given age and usage. While operable, further diagnosis may be needed.
	3 - Normal Wear & Tear	Exhibits wear that is consistent with age and usage. Operation is normal, and as expected.
	4 - Very Light or Minimal Wear	Exhibits very minimal wear. Operation is better than expected given age and usage.
	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Body Panels	3 - Normal Wear & Tear	
Body Panel Condition	No visible damage, good paint condition and panel fitment, Areas of surface rust observed, Other (see comments)	
Comments	Minor rust seen on edge of Cab panels	
Doors / Canopy Latches	3 - Normal Wear & Tear	
Doors / Canopy Latches Condition	No visible damage	
Steps / Ladders	3 - Normal Wear & Tear	
Steps / Ladders Condition	Steps/ladders are fully intact and appear structurally sound	
Handrails	3 - Normal Wear & Tear	
Handrails Condition	Handrails are fully intact and appear structurally sound	
Glass	3 - Normal Wear & Tear	
Glass Condition	Glass intact, no visible damage	
Mirrors	3 - Normal Wear & Tear	
Mirror Condition	Mirrors present and intact, no visible damage	
Exterior Lights	3 - Normal Wear & Tear	
Exterior Lights Condition	No visible damage, lighting system is operational	
Overall Exterior	3 - Normal Wear & Tear	
Comments	Exterior in good shape. Minor scuff marks throughout machine.	

## Control Station Inspection Points

## Inspection Report (Rough Terrain Crane)



### Control Station

#### Control Station Photos

Control Station Photos	    
	    
	    
	 
Serial Number Plate	
Hour Meter/Odometer	
Seat	3 - Normal Wear & Tear
Seat Condition	Seat(s) in good condition, no stains or tears in upholstery, Other (see comments)
Comments	Seat is in good shape. The seats armrest are worn.



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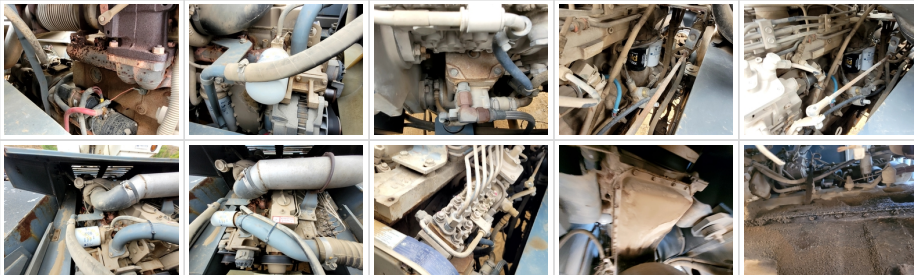

Cabin Lights	0
Safety Lock Out / Stop	3 - Normal Wear & Tear
Safety Lock Out / Stop Condition	Safety lock out device is present, in good condition, and functional
Controls & Switches	3 - Normal Wear & Tear
Controls & Switches Condition	All switches are installed and functional, Switches have good functionality, minor cosmetic damage observed
Hour Meter Activity	3 - Normal Wear & Tear
Hour Meter Condition	Hour meter is functional and in good condition
Other Gauge Activity	3 - Normal Wear & Tear
Other Gauge Condition	All cockpit gauges are functional and in good condition
Heater & A/C	3 - Normal Wear & Tear
Heater & A/C Condition	Only heat functionality works, Other (see comments)
Comments	A/C not working at optimal performance
Travel Alarm	3 - Normal Wear & Tear
Travel Alarm Condition	Travel alarm is installed and functioning as expected
Horn	3 - Normal Wear & Tear
Horn Condition	Horn is installed and functioning as expected
Backup Camera	0
Control Station Overall Rating	3 - Normal Wear & Tear
Control Station Overall Condition	Good cabin appearance, solid floors, panels, and ceiling, Minor cosmetic wear to cabin surfaces, floors, panels, and ceiling
Comments	Operator Cab in descent condition for its age
Anti Two Block System	3 - Normal Wear & Tear
Anti Two Block System Photos	
Load Movement Indicator (LMI)	3 - Normal Wear & Tear
Comments	LMI updated
Load Movement Indicator (LMI) Photos	

## Engine Inspection Points

### Engine

### Engine Compartment Photos

## Inspection Report (Rough Terrain Crane)

Engine Data Plate					
Engine Compartment Photos					
	 <p>Oil pan has residual oil and may be leaking</p>				
Engine Type (Make, Model, Cylinders, Hp)	Cummins - C8.3-C - 6Cyl. - 215 HP				
Emissions Tier	Tier 2				
Engine Serial Number	4596/592				
Engine Fuel Type	Diesel				
Blow-by (Visual Observation Check)	Yes				
Comments	Some blowby observed				
Unusual Noises (Upon Start-up, Idle, Shutdown)	No				
Engine Smoke (Upon Start-up, Idle, Shutdown)	Yes				
Engine Smoke Notes	Engine smoke observed upon start up, Other (see comments)				
Comments	Minor exhaust smoke observed at startup				
Engine Exhaust Color	Black puffs observed under throttle, Clear				
Battery	3 - Normal Wear & Tear				
Battery Condition	Dusty & dirty appearance, Clean & dry appearance, tight connections				






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Radiator	3 - Normal Wear & Tear
Radiator Condition	Radiator fins & components appear to be in good working order, no signs of damage or leaks
Belts	3 - Normal Wear & Tear
Belt Condition	Belts appear in good condition & alignment with proper tension
Hoses	3 - Normal Wear & Tear
Hose Condition	Firm, pliant hoses with no signs of wear or leaks
Water Pump	3 - Normal Wear & Tear
Water Pump Condition	No unusual pump noises heard
Cooling System Leaks	No
Coolant Appearance	3 - Normal Wear & Tear
Coolant Appearance Notes	Normal Translucent appearance, no visual signs of contamination
Oil Leaks	Yes
Oil Leak Notes	Other (see comments), Wetness & discoloration observed, Dried oil seepages seen
Comments	Oil leak may be active at oil pan
Oil Appearance	3 - Normal Wear & Tear
Oil Appearance Notes	Clean oil appearance, no signs of cross contamination, Appropriate oil level
Fuel Leaks	No
Equipped with DPF (Diesel Particulate Filter)	No
Requires DEF (Diesel Exhaust Fluid)	No
Overall Engine Rating	3 - Normal Wear & Tear
Overall Engine Appearance	Dusty & dry
Overall Engine Comments	Engine sputters at cold start and struggled to idle under load. Engine ran okay at operating temperature and sputtering went away.











## Drivetrain Inspection Points

### Drivetrain

## Drivetrain Inspection Points

Drivetrain Photos	    
	Residual oil buildup at bottom side of transmission housing

## Inspection Report (Rough Terrain Crane)

					
					
Hydrostatic Transmission?	No				
2 Speed?	No				
Hydrostatic Drive Configuration	Close Coupled Transmission				
Transmission Info (Make/Model/Speeds)	Powershift				
Transmission Components	3 - Normal Wear & Tear				
Transmission Condition	Good forward and reverse function, No unusual noises or vibrations				
Drive Motors	0				
Parking Brake	3 - Normal Wear & Tear				
Parking Brake Function	Good brake function				
Overall Drivetrain Rating	3 - Normal Wear & Tear				
Overall Drivetrain Comments	Machine travels well in all directions. Machine tested in short distances using low gears. Minor seepage buildup observed around bottom of transmission housing.				

## Chassis Photos

Chassis Photos					
					
					
					
					
					



## Inspection Report (Rough Terrain Crane)




### Chassis Inspection Points

Frame	3 - Normal Wear & Tear
Stance	3 - Normal Wear & Tear
Turntable Bearing	3 - Normal Wear & Tear
Front Axle	3 - Normal Wear & Tear
Rear Axle	3 - Normal Wear & Tear
Outriggers	3 - Normal Wear & Tear
Outrigger Pads	3 - Normal Wear & Tear
Overall Chassis	3 - Normal Wear & Tear
Overall Chassis Comments	Main Frame, Outriggers, and Boom assembly in great condition. Front and Rear axle also in solid shape along with steering linkages.



### Wheels & Tires

### Wheels & Tires

### Wheels & Tires Inspection Points

Wheels & Hubs	3
Comments	Tires all have between 30 to 50% of tread life left.
Wheel Seal Leaks	No
Tire Brand	General
Tire Size	29.5 - 25
Front Left Tire - Ratio Remaining	30%
Front Left Tire Photos	
Front Right Tire - Ratio Remaining	30%
















## Inspection Report (Rough Terrain Crane)

Front Right Tire Photos	 	
Rear Right Tire - Ratio Remaining	30%	
Rear Right Tire Photos		
Rear Left Tire - Ratio Remaining	30%	
Rear Left Tire Photos		







## Hydraulics Overall Inspection Points

### Hydraulics Overall












### Hydraulic System Inspection Points

Hydraulic System Photos					 Hose has residual oil buildup
					 Possible minor leak
	 Residual Hydraulic Fluid Buildup	 Residual oil buildup seen at Hydraulic Pumps to mounting area (Pump Drive).	 Residual oil buildup seen at Hydraulic Pumps to mounting area (Pump Drive).	 Residual oil buildup seen at Hydraulic Pumps to mounting area (Pump Drive).	

## Inspection Report (Rough Terrain Crane)

	    
	
Wet or Damp Hydraulic Lines / Fittings	Yes
Hydraulic Lines/Fittings	3 - Normal Wear & Tear
Hydraulic Lines / Fittings Condition	Hydraulic lines & fittings are clean and in good condition, Dried seepages observed, Other (see comments)
Comments	A few hoses have residual oil buildup. No active leaks confirmed during the inspection.
Hydraulic Pump(s)	3 - Normal Wear & Tear
Unusual Noises	No
Hydraulic Pump Notes	No unusual noises heard during operation

## Hydraulic Cylinder Inspection Points

Hydraulic Cylinder Photos	    
	    
	
Mounting Pins	3 - Normal Wear & Tear
Cylinder Oil Leaks	No
Comments	No active leaks seen. Minor seepage buildup observed around rod seals.
Hydraulic System Overall	3 - Normal Wear & Tear
Comments	No active leaks seen from any of the cylinders. Minor seepage type buildup seen at some steer cylinders, stabilizer suspension cylinders and outrigger cylinders.
Main Hoist	3 - Normal Wear & Tear
Auxiliary Hoist	3 - Normal Wear & Tear
Swing Motor	3 - Normal Wear & Tear

## Crane Components - Photos

## Inspection Report (Rough Terrain Crane)



## Crane Components - Inspection Points

Counterweight	3 - Normal Wear & Tear
Boom Angle Indicator	3 - Normal Wear & Tear
Main Boom Sections	3 - Normal Wear & Tear
Main Boom Pins	3 - Normal Wear & Tear
Boom Head Section	3 - Normal Wear & Tear
Wear Pads	3 - Normal Wear & Tear
Jib	3 - Normal Wear & Tear
Fairlead	3 - Normal Wear & Tear
Sheaves	3 - Normal Wear & Tear
Main Load Block	3 - Normal Wear & Tear
Overhaul Ball	0
Crane Components Overall	3 - Normal Wear & Tear
Comments	Cranes main components controlling Boom lift,extend,machine's swing, and Main winch are in good working condition.

## Functional Test

### Functionality Assessment

### Functionality Assessment

Engine	3 - Normal Wear & Tear
Transmission/Drivetrain	3 - Normal Wear & Tear
Travel (Forward/Reverse/Steering)	3 - Normal Wear & Tear
Brakes	3 - Normal Wear & Tear
Hydraulic System	3 - Normal Wear & Tear
Electric Operating System	3 - Normal Wear & Tear
Controls	3 - Normal Wear & Tear
Safety Systems	3 - Normal Wear & Tear



## Inspection Report (Rough Terrain Crane)

Core Functions	3 - Normal Wear & Tear
Attachments	0
Overall Functional Test Comments	All of the crane's main hydraulic and transmission functions were operating normally. The engine functions okay but had a noticeable sputter/misfire at cold start and struggled to keep up with hydraulics at idle, under load. The Cranes safety systems were operating normal and the brakes were working well.

## Overall Assessment

### Overall Assessment

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	5 - Like New, Recently Replaced	Excellent condition, free of visible wear or damage. Operation is within factory specifications.
Exterior Rating	3 - Normal Wear & Tear	
Interior Rating	3 - Normal Wear & Tear	
Safety Rating	3 - Normal Wear & Tear	
Quality Rating	3 - Normal Wear & Tear	
Functionality Rating	3 - Normal Wear & Tear	
Overall Rating	3 - Normal Wear & Tear	
Summary Video	<a href="#">Click to Download</a>	
What's Great About the Machine	Crane has a healthy appearance overall with no major leaks seen and holds a current Annual/Quad. certification. The main and aux winch cables are properly wrapped. The maintenance crew mentioned some expensive repairs and upgrades performed that ensure reliability with certain main core components.	
What Needs Work	Multiple residual oil buildups observed throughout machine and I recommend further inspection of the notated areas. Engine misfires at cold start, at idle and more noticeable under load.	
Date/Time	09-19-2023	
Inspector Name	Mario Ramirez	